Procedures and Guidelines

DIRECTIVE NO. 565-PG-8700.2.1
EFFECTIVE DATE: 09/23/1998
EXPIRATION DATE: 09/23/2003

APPROVED BY Signature: original signed by
NAME: Paul T. Bryant
TITLE: Head, Electrical Systems Branch

Responsible Office: 565 / Electrical Systems Branch

Title: Electrical Harness Design and Manufacturing

1 PURPOSE

This procedure establishes the minimum requirements for the design of space vehicle electrical harnesses and provides a number of recommended practices for the design, manufacturing, handling, and integration of flight electrical harnesses.

2 REFERENCE

GPG 8730.3, The GSFC Quality Manual
GPG 8700.2, Design Development
GSFC-733-HARN-01, Design and Manufacturing Standard for Electrical Harnesses

3 SCOPE

This procedure applies to the design and manufacturing of flight electrical harnesses that fall within the scope of the GSFC Quality Management System. It covers all such activities performed by members of, and contractors working for, the Electrical Systems Branch, as well as employees and contractors of other GSFC organizations that should get involved in the development of in-scope flight electrical harnesses.

4 DEFINITIONS

5 AUTHORITIES AND RESPONSIBILITIES

6 IMPLEMENTATION

Employees who design and/or fabricate electrical harnesses for spaceflight application are to utilize the Design and Manufacturing Standard for Electrical Harnesses (GSFC-733-HARN-01), available on-line at URL http://rs733.gsfc.nasa.gov/harness.html.

CHANGE HISTORY LOG

Revision	Effective Date	Description of Changes
Baseline	09/23/1998	Initial Release